

ABSTRACT OF THE DISCLOSURE

A packet relay device for processing a request message
of a prescribed protocol on behalf of a radio terminal is
5 provided at a first sub-network which is capable of
communications in the downlink direction with respect to
the radio terminal only. Then, a request message
encapsulated in an IP packet is transferred from the radio
terminal to the packet relay device through the second sub-
10 network which is capable of communications in both uplink
direction and the downlink direction with respect to the
radio terminal, and a response message corresponding to the
request message is transferred from the packet relay device
to the radio terminal, so that it becomes possible for the
15 radio terminal to execute a prescribed protocol with
respect to the first sub-network.

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